Applicant: Jeffrey Olson et al. Attorney's Docket No.: 11926-022001

Serial No.: 09/697,013 Filed: October 25, 2000

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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-58. (Canceled).

- 59. (Newly added) A method for evaluating the haplotype of an allele of the ApoE gene of a patient, the method comprising:
- (a) identifying the nucleotide present in a selected ApoE allele at nucleotides 19311 and 23707 of SEQ ID NO:5; and
- (b) identifying the nucleotide present in the selected ApoE allele at one or more of nucleotides 16747, 17030 and 17785 of SEQ ID NO:5.
- 60. (Newly added) A method for evaluating whether an allele of the ApoE gene of a patient is an E4 allele, an E3 allele or an E2 allele, the method comprising:
- (a) identifying the nucleotide present in a selected ApoE allele at nucleotides 19311 and 23707 of SEQ ID NO:5;
- (b) identifying the nucleotide present in the selected ApoE allele at one or more of nucleotides 16747, 17030 and 17785 of SEQ ID NO:5; and
- (c) evaluating whether the selected allele of the ApoE gene of a patient is an E4 allele, an E3 allele or an E2 allele based on the nucleotides identified in steps (a) and (b).